



**AERO PLASTICS INC.**

Single Piece Windshield

Report No.314/CON

Installation Drawing List

Applicable Aircraft Models

Cessna 172B s/n 17247747 through 17248734  
172C s/n 17248735 through 17249544  
175 s/n 55001 through 56238  
175A s/n 56239 through 56777  
175B s/n 17556778 through 17557002  
175C s/n 17557003 through 17557119

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Revision Control Page

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Revision	Date	Pages Affected	Remarks
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INSTALLATION & REMOVAL INSTRUCTIONS FOR REMOVAL OF CENTER STRAP  
CESSNA 172 & 175  
WINDSHIELD REMOVAL

1. Drill out rivets securing front retainer strip. See Fig. 1 Item 2
2. Remove wing root fairings over windshield edges.
3. Remove and tape compass clear of work area.
4. Remove both inner (Fig. 1 Item 5) and outer (Fig. 1 Item 4) center straps. Discard the inner strap. On Cessna 175 s/n 55001 thru 17557119 the outer strap should be cut down to the height of the front retainer strip (Fig. 1 Item 2). This will then be used to join the left and right front retaining strips on this model during installation.
5. Drill out rivets and remove top retainer. See Page 4, Fig. 1, Item 3. Pull windshield straight forward, out of side and top retainers. Discard old windshield.
6. Clean all mounting surfaces thoroughly. Any damaged retainers should be repaired at this time.

INSTALLATION

1. When installing the new windshield (See Page 5, Figure 2, Item 1 for the part numbers) check fit carefully and file or grind away excess acrylic.
2. Apply felt strip and sealing compound or sealing tape to all edges of windshield to prevent leaks. See Fig. 2 Item 2.
3. Replace top windshield retainer with Cessna part no. 0513312-1 or LP Aero Plastics Inc. equivalent part no. 312/RET. See Fig. 2 Item 3. Top retainer may be riveted or screwed into place as per step 6 below.
4. Use care not to crack windshield when installing. Starting at upper corner and gradually working windshield into position is recommended.
5. The windshield may be purchased with or without the compass mounting bracket bonded to it. Mount compass on the windshield or as an alternate it may be mounted to the top of the instrument panel or in the instrument panel. Reconnect the compass wiring and recalibrate the compass.
6. Replace the front retaining strip Fig. 2 Item 4. Screws (MS35218-28) and self locking nuts (MS21044N06)(or equivalent hardware) may be used instead of rivets which fasten the front retaining strip to the cowl deck and the top retaining strip. Use the cut down outer center strap using the original fasteners to join the left and right front retainers on the 175.
7. Follow the guidelines on acceptable maintenance procedures in the FAA Advisory Circular AC 43.13-1A, or latest revision, in completing all phases of the installation.
8. Complete 337 form. The weight of the original windshield and center strap is approximately 11 lb. and the weight of the replacement windshield is approximately 14.9 lb. Perform weight and balance.

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WINDSHIELD REMOVAL

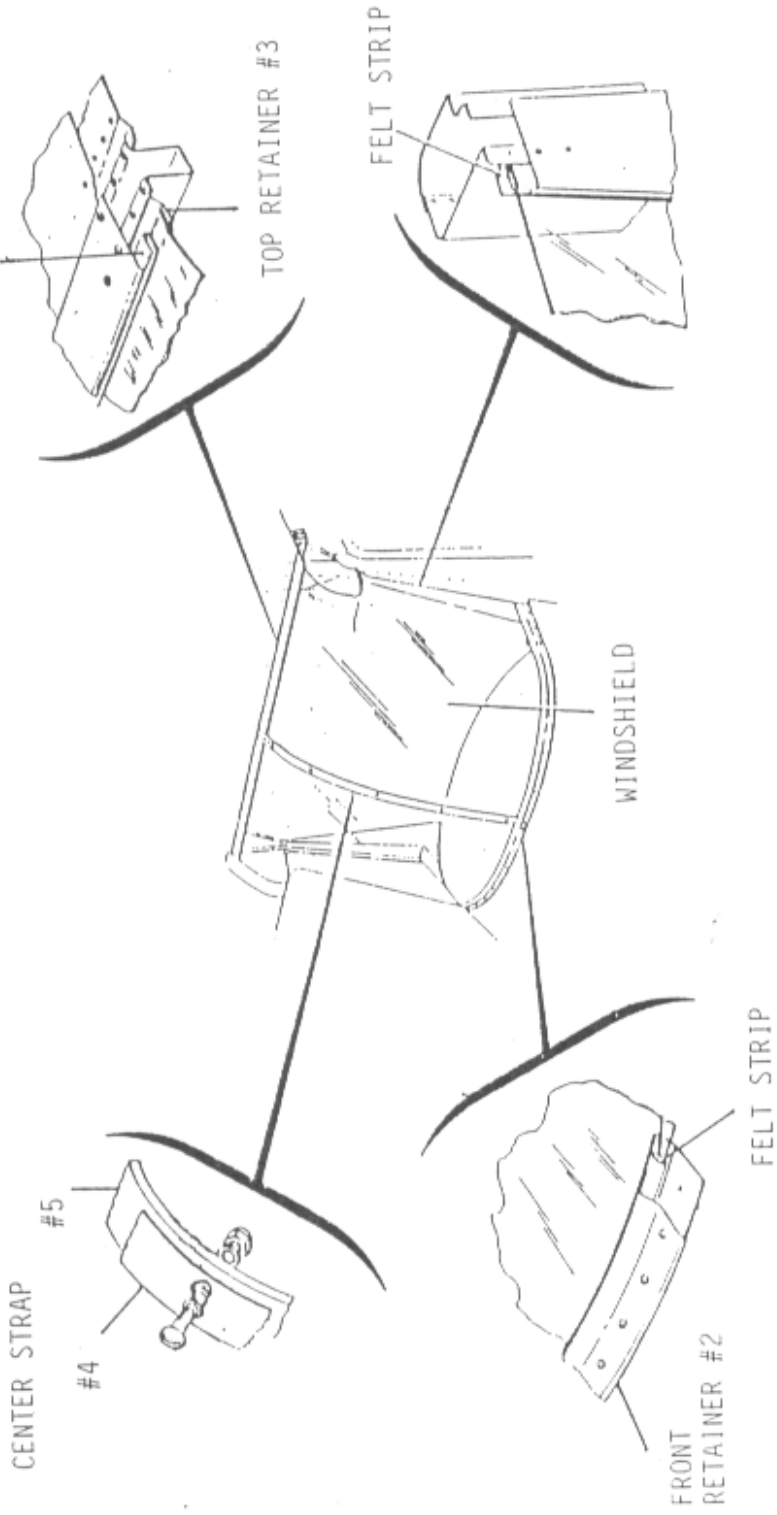


FIGURE #1

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SCALE - NONE

CESSNA 172 s/n 17247747 THRU 17249544

175 s/n 55001 THRU 17557119

WINDSHIELD INSTALLATION



WRAP FELT STRIPS AROUND  
EDGE OF WINDSHIELD.

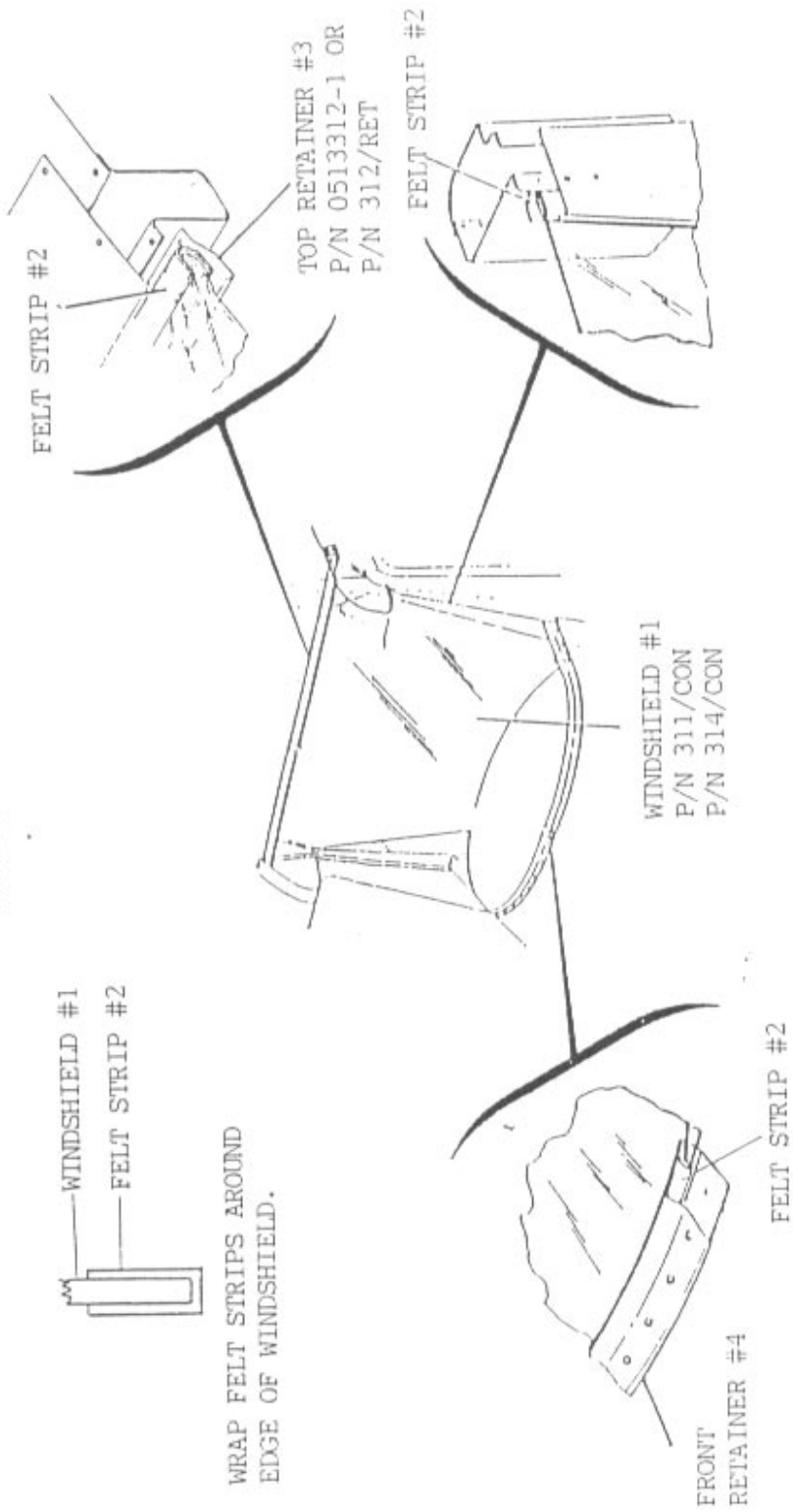


FIGURE #2

- #1 WINDSHIELD P/N 311/CON (WITHOUT COMPASS MOUNTING BLOCK) [ CESSNA 172 S/N 17247747 THRU 17249544  
P/N 311/CMB (COMPASS MOUNTING BLOCK ATTACHED) ] [ CESSNA 175 S/N 17557003 THRU 17557119
- P/N 314/CON (WITHOUT COMPASS MOUNTING BLOCK) ] [ CESSNA 175 S/N 55001 THRU 17557002
- P/N 314/CMB (COMPASS MOUNTING BLOCK ATTACHED) ] [ CESSNA 175 S/N 55001 THRU 17557002
- #2 FELT STRIP - ADHESIVE BACKED 3/32" x 1 1/2" x 161" - INCLUDED
- #3 TOP RETAINER - CESSNA P/N 0513312-1 OR LP P/N 312/RET
- #4 FRONT RETAINER
- #5 COMPASS MOUNTING BLOCK

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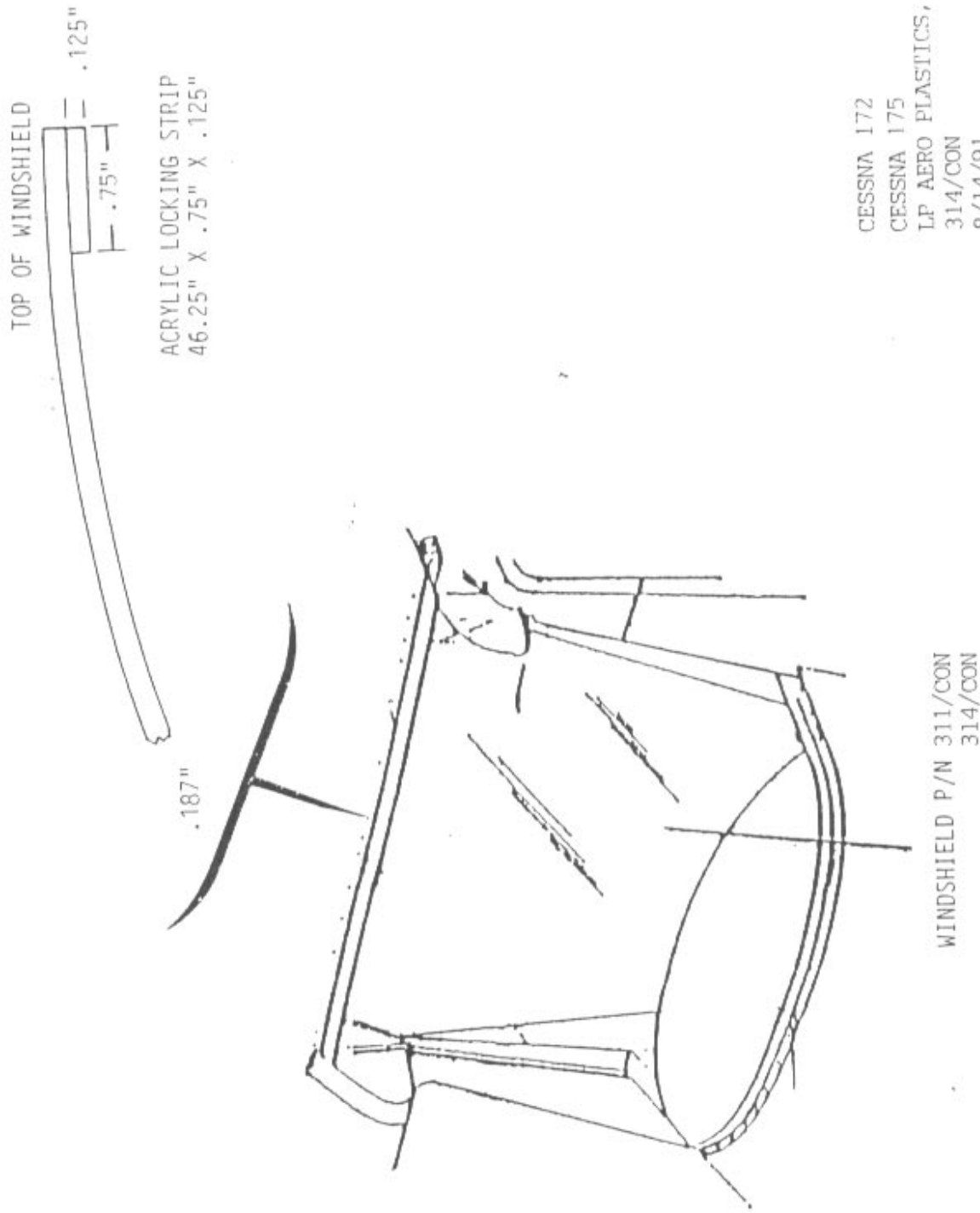
SCALE - NONE

CESSNA 172 S/N 17247747 THRU 17249544

175 S/N 55001 THRU 17557119

POSITIONING OF LOCKING STRIP ON P/N 311/CON AND 314/CON  
311/CMB AND 314/CMB

1. BOND THE ACRYLIC LOCKING STRIP TO THE INNER FACE OF THE TOP TRAILING EDGE OF THE WINDSHIELD.



CESSNA 172  
CESSNA 175  
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SCALE - NONE  
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FIGURE #3